



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U.S. Patent Application of )  
TAKAHASHI et al. )  
Application Number: 10/849,516 ) Art Unit 2627  
Filed: May 20, 2004 )  
For: MAGNETIC SENSOR AND MAGNETIC HEAD WITH ) Examiner  
THE MAGNETIC SENSOR ) MILLER, BRIAN E.  
ATTORNEY DOCKET No. HIRA.0149 )

**Commissioner of Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**COVER LETTER**

Sir:

The fee for submission of claims is calculated as shown below:

FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS ALREADY PAID	RATE	CALCULATION
Total Claims	16	16	(Over 20)	x \$50	0
Independent Claims	4	4	1 (Over 3)	x \$200	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$360	0
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28).				x ½	
				TOTAL	0

In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

<input checked="" type="checkbox"/> Response to Office Action (with Claim Election)	<input type="checkbox"/> Petition for Extension of Time ( month)
<input type="checkbox"/> Substitute Specification	<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Preliminary Amendment	<input type="checkbox"/> Letter to Draftsperson
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Assignment
	<input type="checkbox"/> Other _____

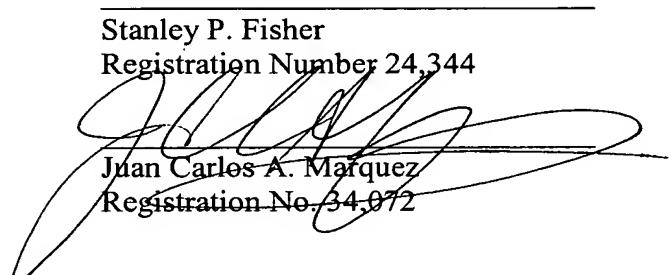
Please charge my **Deposit Account Number** \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the fees for \_\_\_\_\_ . A duplicate copy of this paper is enclosed.

A check in the amount of \$\_\_\_\_\_ to cover the fee is enclosed.

The Commissioner is hereby authorized to charge any additional fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,

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**December 1, 2006**



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**RESPONSE TO RESTRICTION REQUIREMENT**

Sir:

This is in response to the Office Action mailed on November 14, 2006, the period of response to which is set to expire on December 14, 2006. Applicants hereby elect the continued prosecution of the invention identified as Species II, which is directed to a magnetic sensor having a voltage change film which converts the signal of voltage changing to a change in electrical resistance and amplifies the signal intensity of the change in electrical resistance, and recited in corresponding claims 2, 4, 6, 8, 10, 12, 14 and 16, without traverse.